

Like the thought of saving energy?

Then you may be interested in an EMAC upgrade for your current spraybooth! The EMAC acts as both a clearance time safety monitor AND an energy-saving automatic shutdown system - all in one neat and cost effective package.

A clearance indication system is the HSE preferred method of informing workers when a booth or room is safe to enter.

The EMAC upgrade system takes only a couple of hours to install and can be configured to your exact requirements... and will start saving you money straight away!



Remove the guesswork involved in safe operation of a spraybooth
see over for details!

What does the system consist of...

<p>Airflow Switch</p> <p>EMAC detects when spraying is taking place via a switch which measures air movement in the compressed air line.</p>	<p>Indication Lights</p> <p>EMAC activates a series of amber beacons, one above each door of the spraybooth and one internal unit, to indicate that spraying is in progress and the booth should not be entered.</p> <p>EMAC turns these warning lights off when the booth is clear and safe to enter.</p>	<p>Automated Shutdown</p> <p>If EMAC detects that no spraying has taken place for a pre-set time period, it shuts the booth down automatically, typically saving over £2000 per year in unnecessary energy costs! †</p>	<p>Motion Detector</p> <p>EMAC monitors activity within the spraybooth via a motion detector. If the booth is left empty for a preset period of time, EMAC will automatically turn lights off - Saving a further possible £300 per year!</p> <p>Lights are automatically turned back on upon entry to the spraybooth.</p>

All this happens automatically - operation of the booth is unchanged!

Table to demonstrate typical savings †

TYPICAL ELECTRICITY SAVING PER CYCLE	Number of fans 2	X	Typical fan motor 4kW	X	Shutdown time 0.5hrs	=	ELECTRICITY SAVED 4.0 kWh				
TYPICAL FUEL SAVING PER CYCLE	Average temperature rise 8° C	X	Volumetric specific heat capacity of air 1.22 kj/m³ °C	X	Spraybooth airflow 5.6 m³/sec	X	Shutdown time 0.5 hrs	÷	Heat exchanger efficiency 75%	=	FUEL SAVED 36.4 kWh
SAVINGS PER YEAR WITH EMAC	Fuel saving per cycle (36.4 kWh X	Fuel cost 3.5p/kWh	+	Electricity saving per cycle 4 kWh X	Electricity Cost 9.85p/kWh) X	Jobs per week 25	X	Weeks per year 50	=	COST SAVING PER YEAR £2,085.00

Faxback Order ...

To order your EMAC upgrade simply complete the following and fax it to us on 01787 313542... we will then call to arrange an installation date.

YES! Please install (no.)
EMAC clearance indicator / EnergySaver system(s) including:

- 1-off EMAC controller complete with Siemens PLC
- Connections to existing spraybooth control panel
- Airflow switch in compressed air line
- 3-off amber beacons
- 1-off high frequency motion sensor
- Includes associated compressed air fittings and pipework
- Includes free smoke clearance test with installation
- System configured on-site to suit customer preferences
- Includes on-site training

Only **£1,500.00 + VAT**
per spraybooth *(payable upon installation)*

Bulk pricing...	Total	
1 off unit	£ 1500.00 each	£ 1500
2 off unit	£ 1400.00 each	£ 2800
3 off units	£ 1333.00 each	£ 3999
4 off units	£ 1250.00 each	£ 5000

Name : _____ Telephone : _____
Position : _____ Email : _____
Company : _____ Purchase Order Ref (if required) : _____
Address : _____ Booth type(s) : _____

County : _____ Comments : _____
Postcode : _____

Installation is subject to a site survey and STL's standard Terms and Conditions of Sale, which can be viewed on our website at www.sprayboothtechnology.co.uk/T&C.pdf.
In the event that payment is not made available upon installation, the system will not be left operational, and any additional visits to activate the system will incur additional costs.

Remove the guesswork involved in safe operation of a spraybooth ...

The preferred method of informing workers when a booth or room is safe to enter is installation of an automatic clearance time indicator.

For instance:

- This could consist of a sensor installed in the compressed airline that detects when the spray gun is being used.
- During spraying, a light could be illuminated on the outside of the booth or room indicating that people must not enter
- If practical, the light should be also visible from the inside of the booth/room
- When spraying stops, a timer ensures the light stays on for the clearance time period.



Source - HSE guidance:
"Controlling Isocyanate Exposure in Spray Booths"